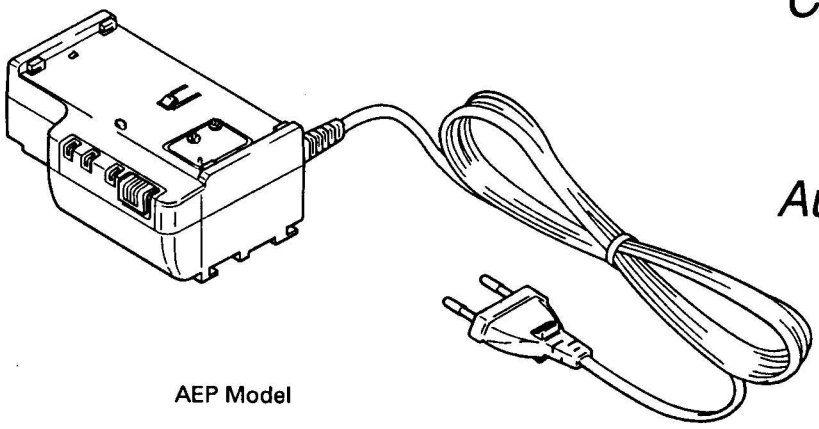
AC-V25A

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model



AEP Model

This set does not support the repair of individual faulty parts.
In case of failure, the main assembly must be replaced.
The part code of main assembly is as listed below.

Part No.

A-7003-311-A (US model)
A-7003-312-A (Canadian model)
A-7003-313-A (AEP model)
A-7003-314-A (Australian model)
A-7003-315-A (UK model)
A-7003-316-A (E model)

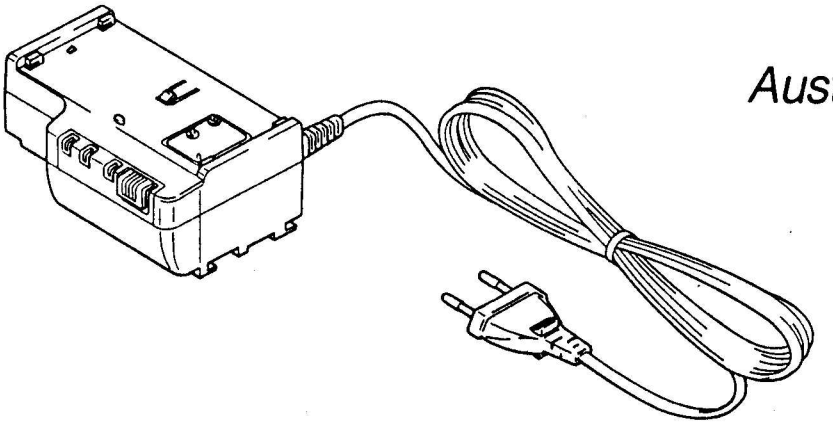
AC POWER ADAPTER

SONY

AC-V25B

RVICE MANUAL

AEP Model
UK Model
E Model
Australian Model

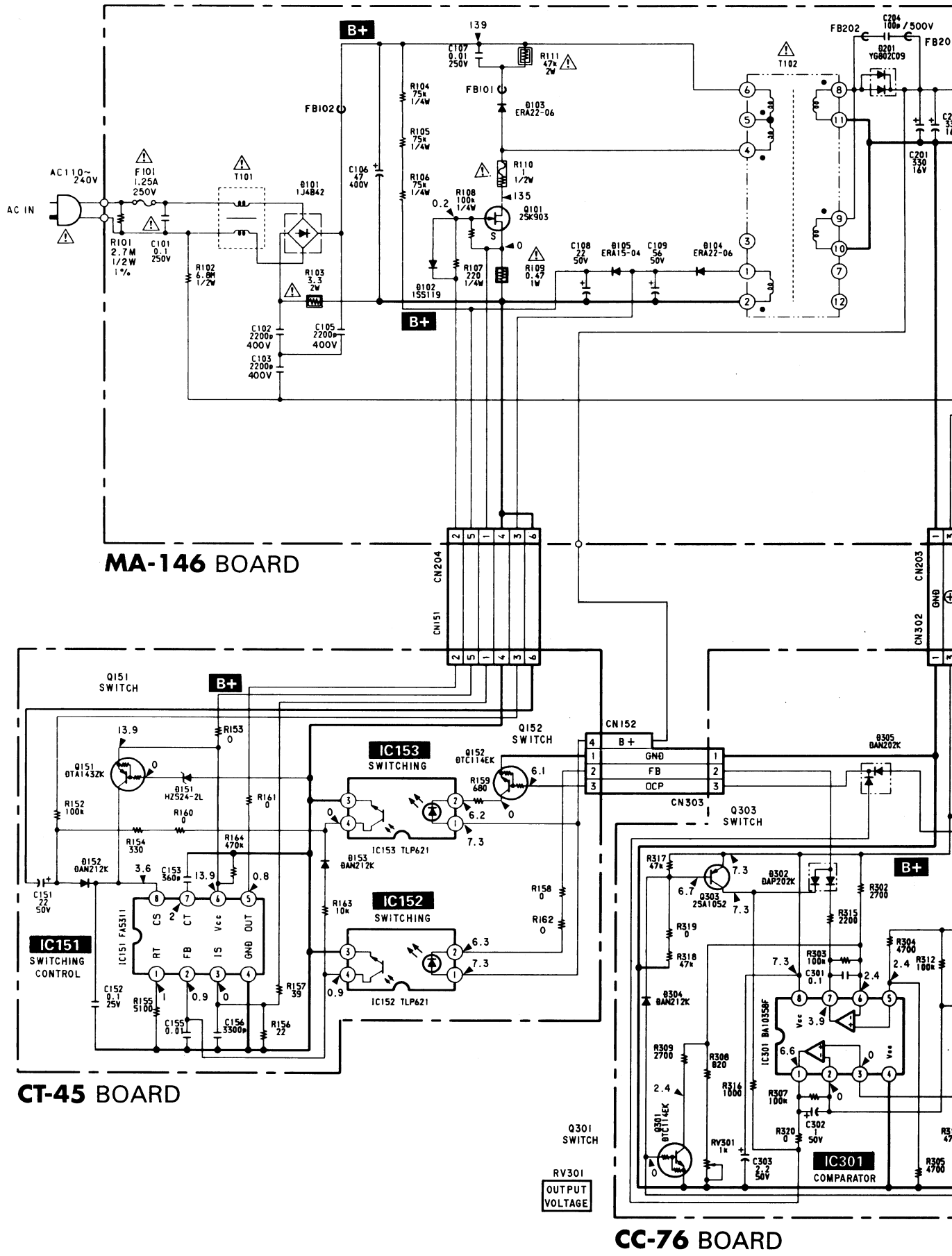


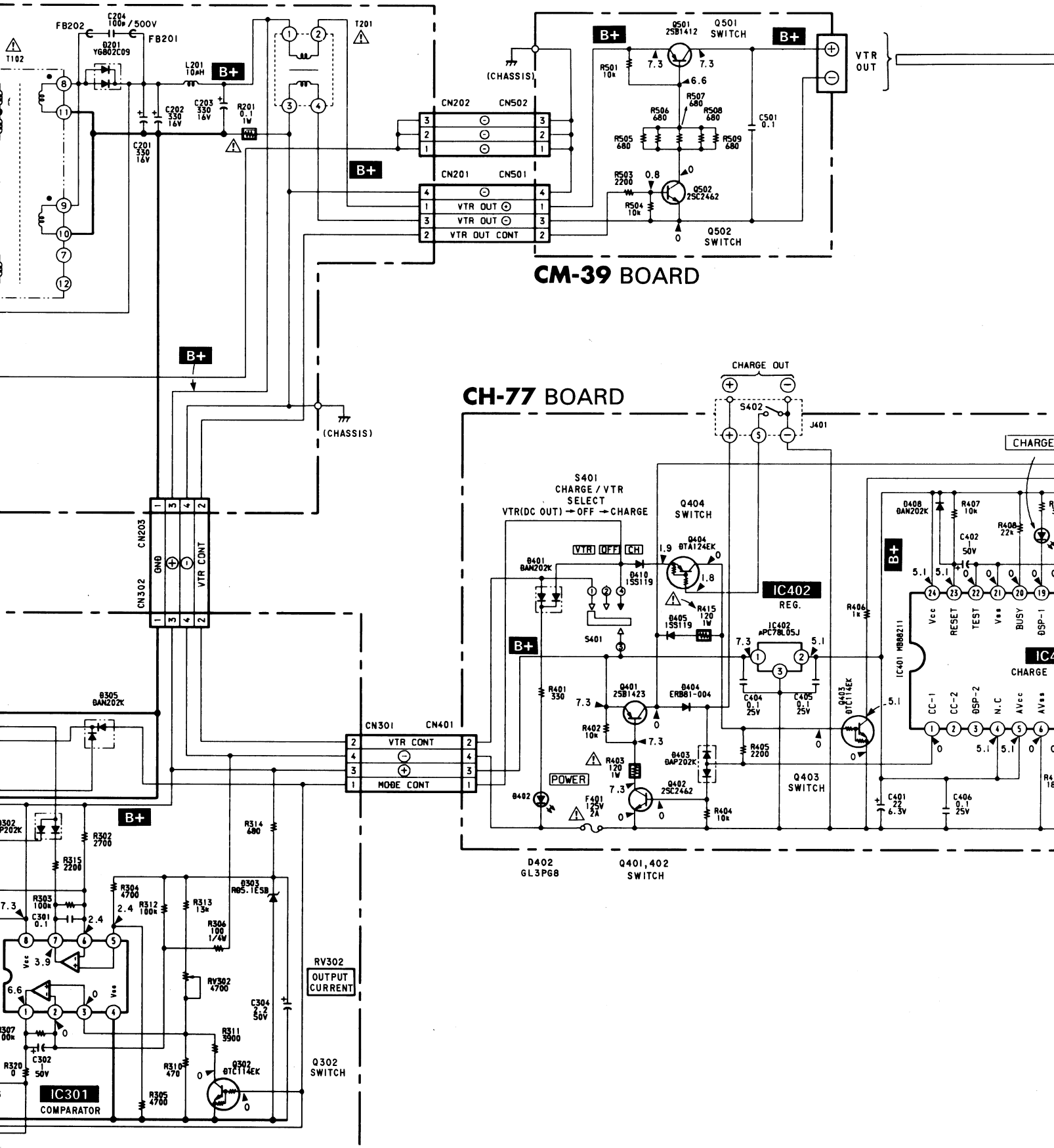
This set does not support the repair of individual faulty parts.
In case of failure, the main assembly must be replaced.
The part code of main assembly is as listed below.

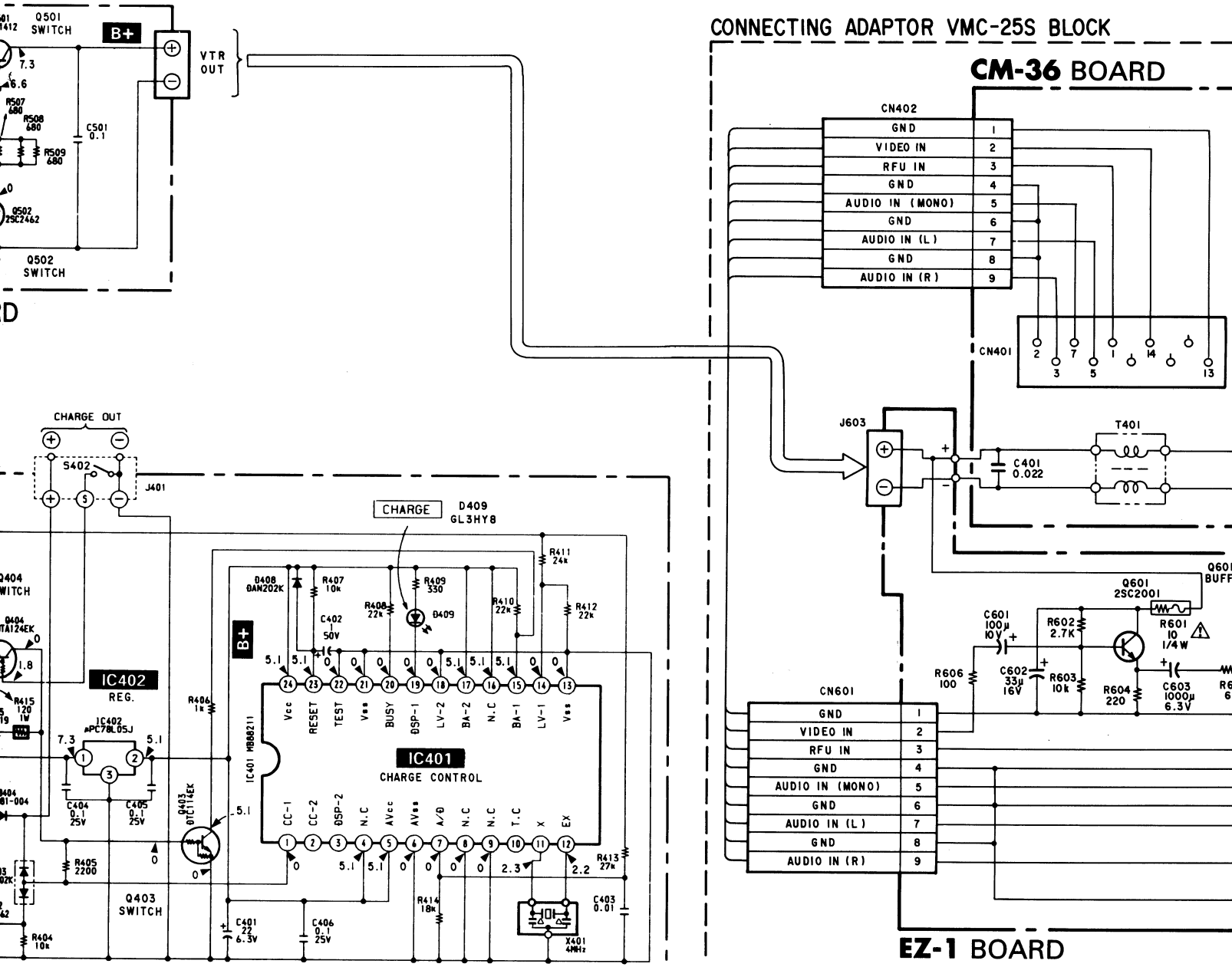
	Part No.
AC-V25B	A-6776-226-A (Tourist model)
AC-V25B	A-6776-237-A (AEP model)
AC-V25B	A-6776-238-A (UK model)
AC-V25B	A-6776-239-A (E model)
AC-V25B	A-6776-240-A (Australian model)
NA-L1	A-6776-301-A (GRUNDIG AG model)
PC90A	A-6776-302-A (BLAUPUNKT WERKE model)

AC POWER ADAPTER

SONY


MA-146 BOARD
CT-45 BOARD
CC-76 BOARD
B+
AC IN
AC 110~240V
F101 1.25A 250V
T101
T102
D101 1J4B42
C101 0.1 250V
R101 2.7M 1/2W 1%
R102 6.8M 1/2W
R103 3.3 2W
C102 2200p 400V
C103 2200p 400V
C105 2200p 400V
C106 47 400V
C107 0.01 250V
R111 47k 2W
FB101
FB102
D103 ERA22-06
R104 75k 1/4W
R105 75k 1/4W
R106 75k 1/4W
R108 100k 1/4W
R110 1 1/2W
Q101 2SK903
D102 1SS119
R107 220 1/4W
R109 0.47 1W
C108 22 50V
D105 ERA15-04
C109 56 50V
D104 ERA22-06
FB202
C204 100p / 500V
D201 YG802C09
C201 330 16V
CN204
CN151
CN203
CN302
GND
Q151 SWITCH
Q152 SWITCH
CN152
B+
GND
FB
OCP
CN303
D305 DAN202K
Q303 SWITCH
IC153 SWITCHING
IC153 TLP621
IC152 SWITCHING
IC152 TLP621
IC151 SWITCHING CONTROL
IC151 FA5311
CS
CT
RT
FB
IS
Vcc
GND
OUT
Q151 DTA143ZK
D151 HZ524-2L
Q152 DTC114EK
D152 DAN212K
D153 DAN212K
D304 DAN212K
Q302 DAP202K
Q303 2SA1052
Q301 DTC114EK
IC301 BA10358F
IC301 COMPARATOR
RV301 OUTPUT VOLTAGE
R151 22k
R152 100k
R153 0
R154 330
R155 5100
R156 22
R157 39
R158 0
R159 680
R160 0
R161 0
R162 0
R163 10k
R164 470k
C151 22 50V
C152 0.1 25V
C153 360p
C155 0.01
C156 3300p
R301 47k
R302 2700
R303 100k
R304 4700
R305 4700
R306 820
R307 100k
R308 1000
R309 2700
R310 47k
R312 100k
R314 1000
R315 2200
R316 1000
R317 47k
R318 47k
R319 0
R320 0
C301 0.1
C302 1 50V
C303 2.2 50V
RV301 1k


CM-39 BOARD
CH-77 BOARD
B+
(CHASSIS)
CN202
CN502
CN201
CN501
VTR OUT ⊕
VTR OUT ⊖
VTR OUT CONT
Q501 2SB1412
Q501 SWITCH
Q502 2SC2462
Q502 SWITCH
VTR OUT
CHARGE OUT
S402
J401
S401
CHARGE / VTR SELECT
VTR(DC OUT) → OFF → CHARGE
VTR
OFF
CH
Q404 SWITCH
Q404 DTA124EK
IC402
REG.
IC402 μPC78L05J
IC401 MB88211
Vcc
RESET
TEST
Vss
BUSY
OSP-1
CC-1
CC-2
OSP-2
N.C
AVcc
AVss
CHARGE
Q401 2SB1423
Q402 2SC2462
Q403 DTC114EK
Q403 SWITCH
Q401,402 SWITCH
D402 GL3PG8
POWER
F401 125V 2A
CN203
CN302
GND
VTR CONT
CN301
CN401
MODE CONT
IC301
COMPARATOR
RV302
OUTPUT CURRENT
Q302 SWITCH
Q302 DTC114EK


CONNECTING ADAPTOR VMC-25S BLOCK
CM-36 BOARD
EZ-1 BOARD
CN402
GND 1
VIDEO IN 2
RFU IN 3
GND 4
AUDIO IN (MONO) 5
GND 6
AUDIO IN (L) 7
GND 8
AUDIO IN (R) 9
CN401
CN601
GND 1
VIDEO IN 2
RFU IN 3
GND 4
AUDIO IN (MONO) 5
GND 6
AUDIO IN (L) 7
GND 8
AUDIO IN (R) 9
J603
T401
C401 0.022
Q601 2SC2001
R601 10 1/4W
R602 2.7K
R603 10k
R604 220
R606 100
C601 100µ 10V
C602 33µ 16V
C603 1000µ 6.3V
Q501 SWITCH
B+
VTR OUT
R507 680
R508 680
R509 680
C501 0.1
Q502 2SC2462
Q502 SWITCH
CHARGE OUT
S402
J401
CHARGE
D409 GL3HY8
Q408 DAN202K
R407 10k
R408 22k
R409 330
R410 22k
R411 24k
R412 22k
C402 50V
IC402 REG.
IC402 µPC78L05J
R415 120 1W
R404 1k
C404 0.1 25V
C405 0.1 25V
Q403 DTC114EK
R405 2200
Q403 SWITCH
R404 10k
C401 22 6.3V
C406 0.1 25V
IC401 MB88211
IC401 CHARGE CONTROL
Vcc RESET TEST Vss BUSY DSP-1 LV-2 BA-2 N.C BA-1 LV-1 Vss
CC-1 CC-2 DSP-2 N.C AVcc AVss A/D N.C N.C T.C X EX
R413 27k
R414 18k
C403 0.01
X401 4MHz